

FIG. 1

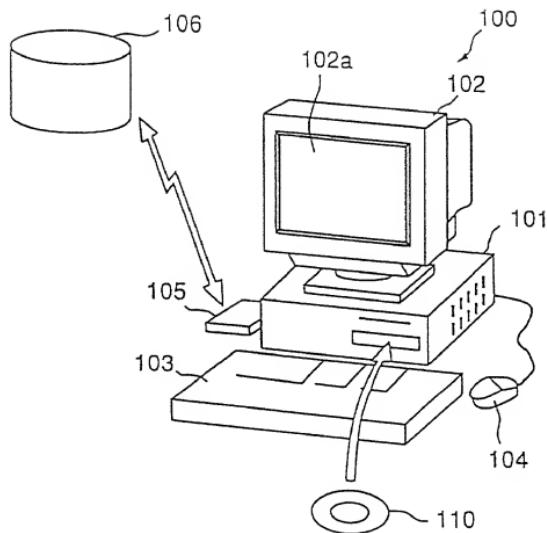


FIG. 2

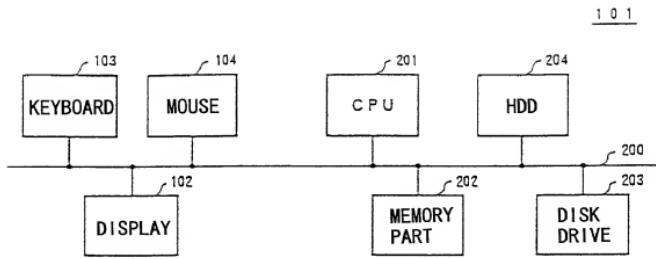


FIG.3

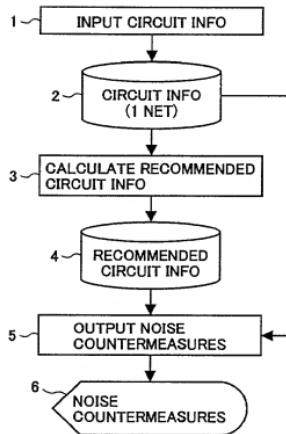


FIG.4

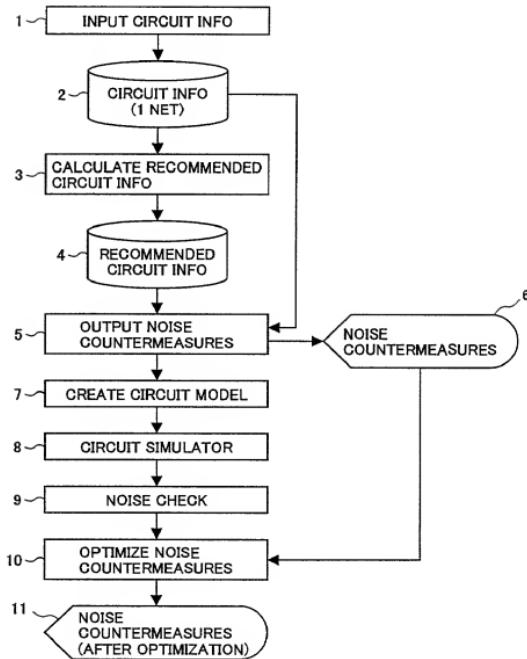


FIG. 5

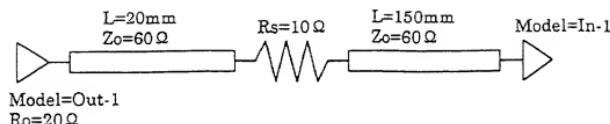


FIG. 6

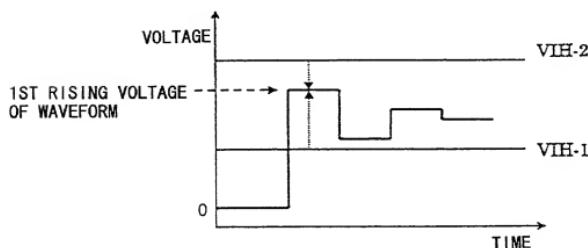


FIG. 7

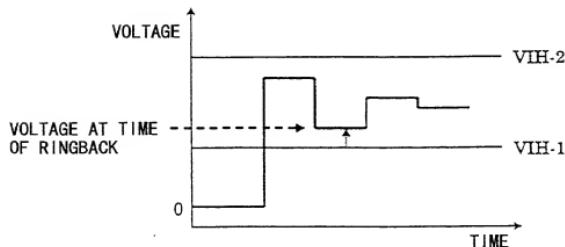


FIG.8

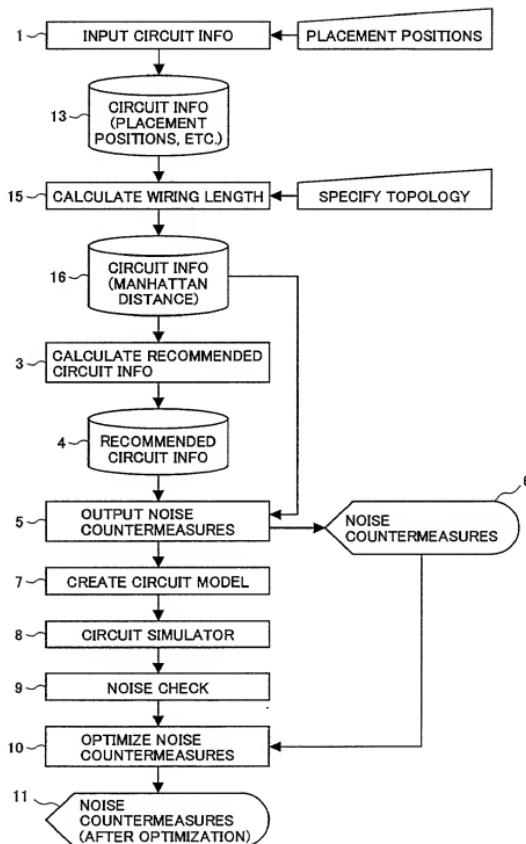


FIG. 9

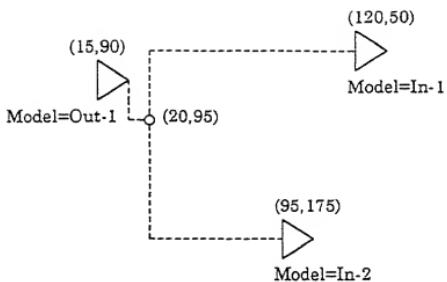


FIG.10

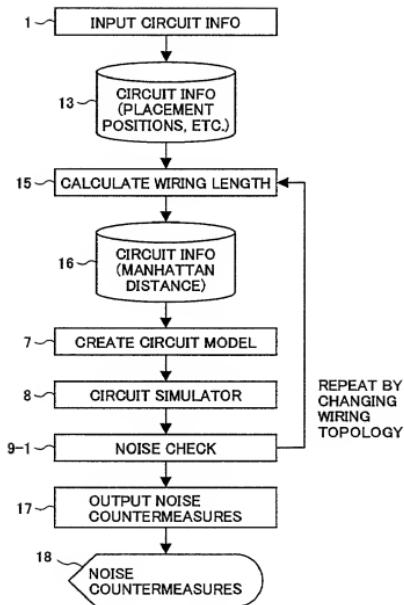


FIG.11

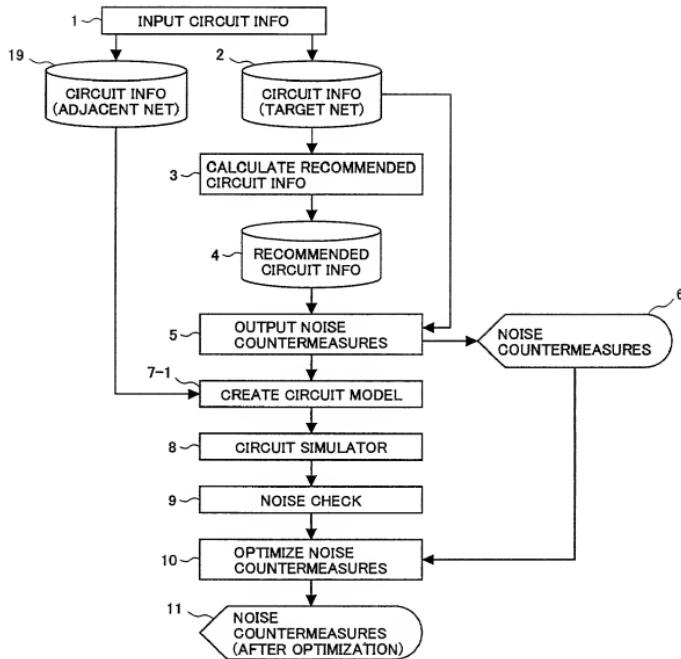


FIG. 12

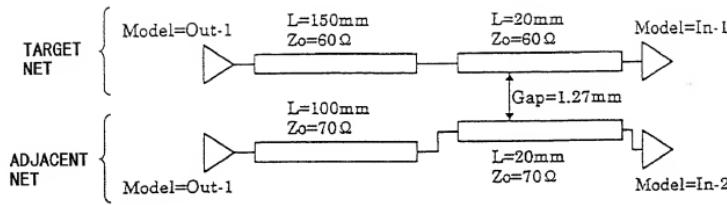


FIG.13

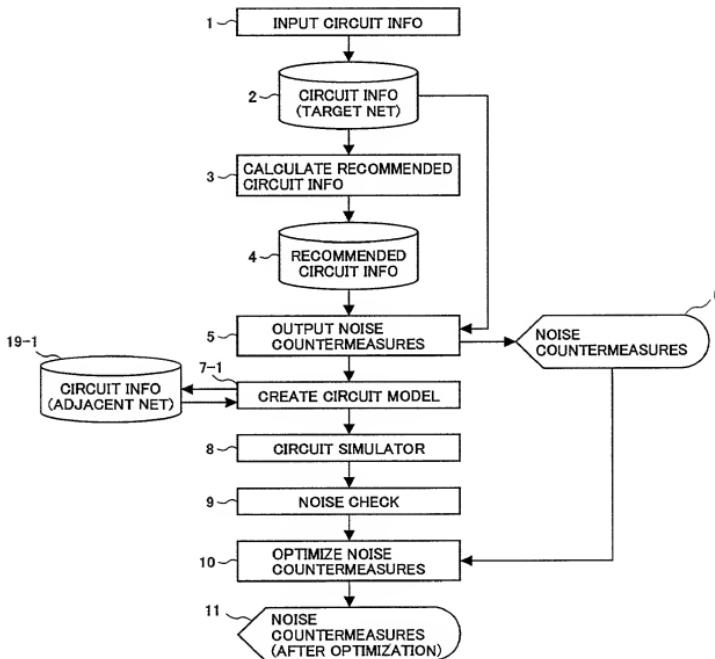


FIG. 14

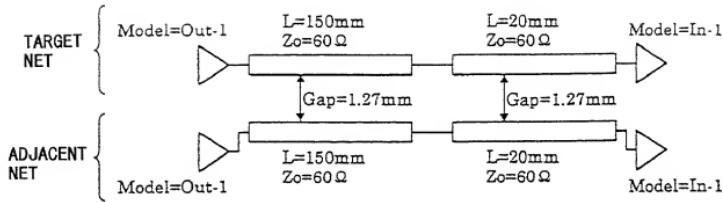


FIG.15

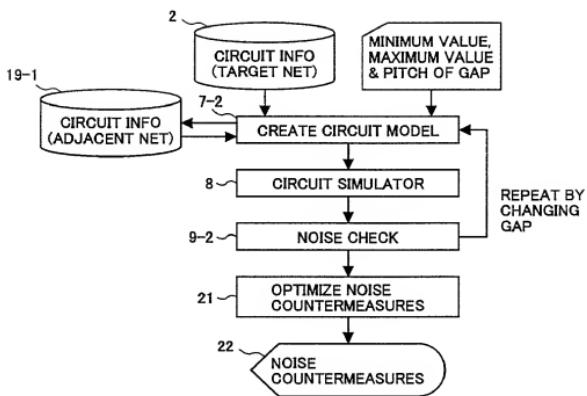


FIG. 16

WIRING TOPOLOGY: LOAD CONCENTRATION TYPE
CHARACTERISTIC IMPEDANCE OF WIRING PATTERN: $Z_0=60\Omega$
TRANSMISSION DELAY TIME OF WIRING PATTERN : $T_d=7.0\text{ns}/\text{m}$

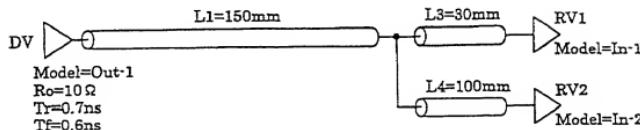


FIG. 17

WIRING TOPOLOGY: LOAD CONCENTRATION TYPE
CHARACTERISTIC IMPEDANCE OF WIRING PATTERN: $Z_0=60\Omega$
TRANSMISSION DELAY TIME OF WIRING PATTERN : $T_d=7.0\text{ns}/\text{m}$

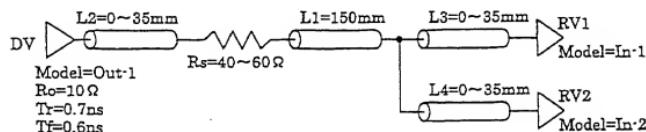


FIG. 18

WIRING TOPOLOGY: STAR TYPE

CHARACTERISTIC IMPEDANCE OF WIRING PATTERN: $Z_0=60\Omega$

TRANSMISSION DELAY TIME OF WIRING PATTERN : $T_d=7.0\text{ns}/\text{m}$

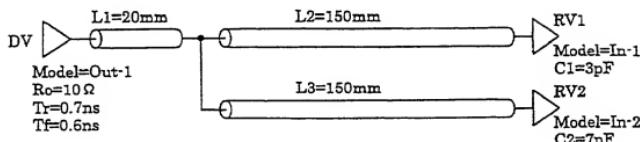


FIG. 19

WIRING TOPOLOGY: LOAD CONCENTRATION TYPE

CHARACTERISTIC IMPEDANCE OF WIRING PATTERN: $Z_0=60\Omega$

TRANSMISSION DELAY TIME OF WIRING PATTERN : $T_d=7.0\text{ns}/\text{m}$

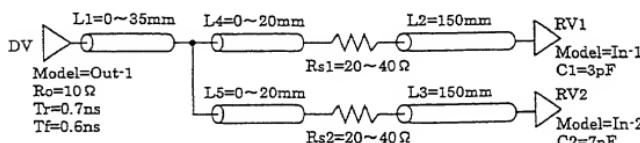


FIG. 20

WIRING TOPOLOGY: STAR TYPE

CHARACTERISTIC IMPEDANCE OF WIRING PATTERN: $Z_0=60\Omega$

TRANSMISSION DELAY TIME OF WIRING PATTERN : $T_d=7.0\text{ns}/\text{m}$

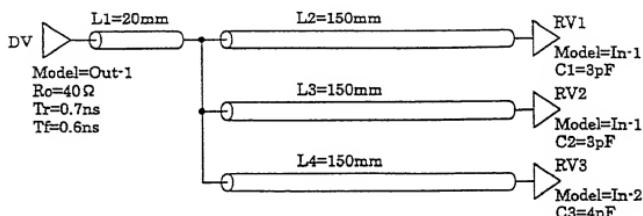


FIG. 21

WIRING TOPOLOGY: LOAD CONCENTRATION TYPE

CHARACTERISTIC IMPEDANCE OF WIRING PATTERN: $Z_0=60\Omega$

TRANSMISSION DELAY TIME OF WIRING PATTERN : $T_d=7.0\text{ns}/\text{m}$

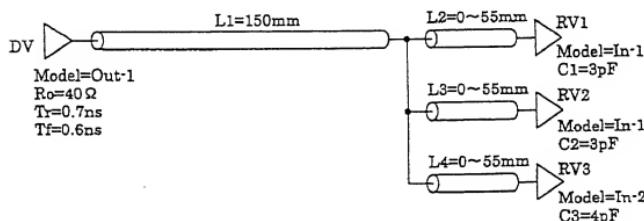


FIG.22

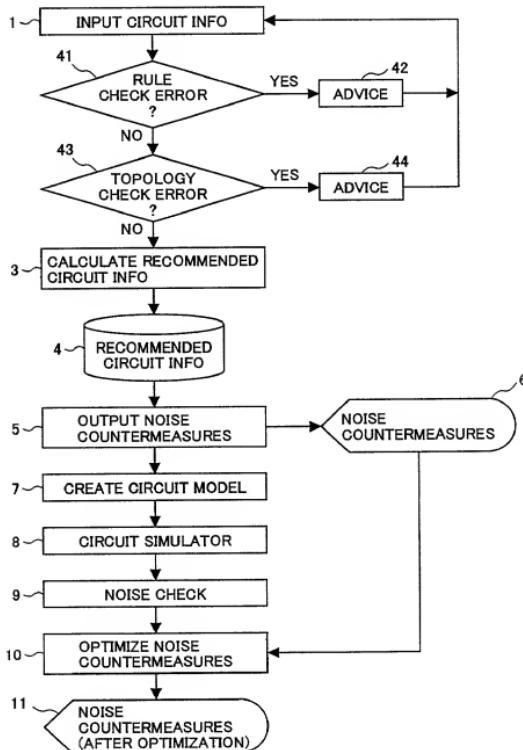


FIG.23

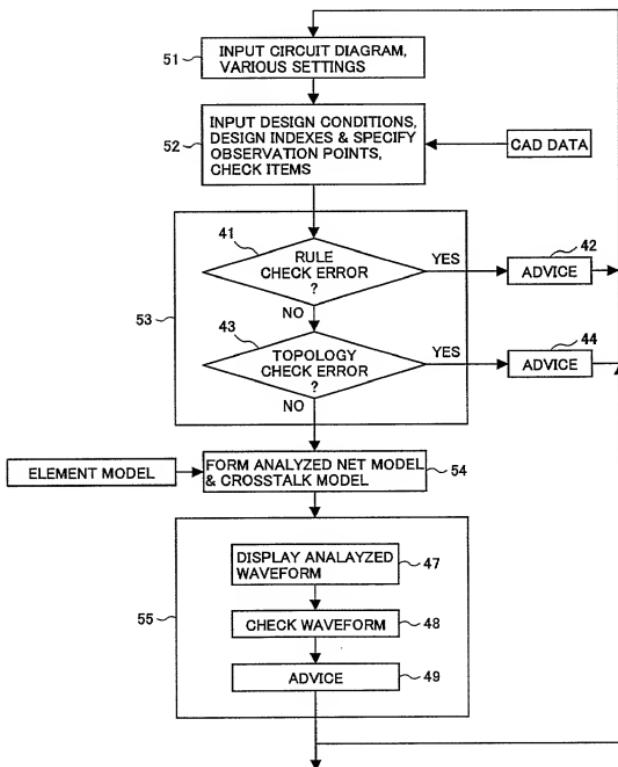
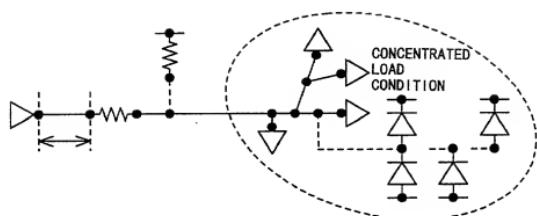


FIG. 24



DISCRETE VIBRATION

FIG. 25A

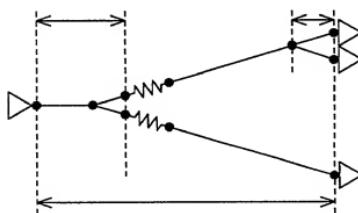


FIG. 25B

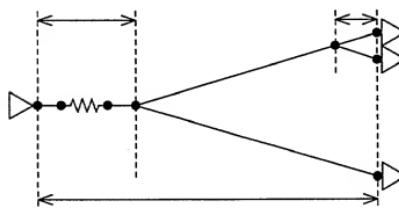


FIG. 26A

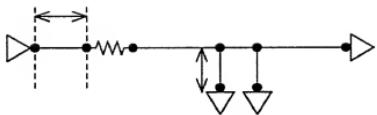


FIG. 26B

